FLUKE networks™

NETWORK SUPERVISION

Network Cabling Test Solutions Catalog

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Fluke Networks Delivers Network SuperVision Solutions™

Fluke Networks is the leading provider of innovative Network SuperVision Solutions™ for ensuring reliable data communications and Internet uptime. We offer the most comprehensive line of premises network testing tools for the inspection, verification, certification, and documentation of copper and fiber optic cabling systems. Network owners, installers and maintainers alike choose our products because they provide superior vision into their networks. By combining speed, accuracy and ease of use, our SuperVision Solutions ensure maximum network performance and fast problem resolution.

Visit www.flukenetworks.com for a complete listing of

Solutions to help you grow your business

Expand your copper and fiber certification solution set.

These products represent the finest professional set for contractors and network integrators alike. Choose our top-of-the-line ***DSP-4100 Digital CableAnalyzer***™ *to certify, document and maintain Category 5e and Category 6 cabling. Grow your fiber business with the capability to certify and document singlemode, multimode and Gigabit multimode installations. Rapidly diagnose and verify fiber cleanliness with the* ***FT300 FiberInspector***™*. And rely on* ***Gold Priority Support services*** *to keep your business up and running.*

Step up to network infrastructure diagnostic services.

With this set of professional equipment, you can take your installation business beyond copper by adding fiber and network troubleshooting to your services offering. The ***DSP-FTA420S Fiber Adapter*** *certifies and documents multimode fiber, while the* ***NetTool***™ ***Connectivity Tester*** *quickly verifies and troubleshoots desktop-to-network connectivity. NetTool also supports LAN moves, adds and changes, and helps you quickly resolve performance disputes when the cabling is not at fault. And don't forget to check out* ***LAN MapShot***™ ***Network Diagramming Software****. It provides fast, up-to-date automated diagrams of your customers' switched Ethernet networks.*

Provide complete network infrastructure maintenance services.

Not only does this set of professional equipment enable you to certify, document and maintain copper and fiber cabling, it enables you to offer your customer network maintenance services. Now you can be prepared to install, maintain and troubleshoot switched networks with the ***OneTouch***™ ***Series II Network Assistant****. Provide your customer documentation management with* ***CableManager***™ *and* ***LAN MapShot*** *software. And rely on* ***Gold Priority Support services*** *to keep your business up and running.*

Priority Support Programs

Training Courses & Seminars

Expert Information

When you partner with Fluke Networks, you get the support, training and tools you need to grow your business. Our Priority Support Programs give you access to technical expertise, product support and responsive service — anytime, anywhere. Plus, we have the training courses, technology seminars and tools to keep your skills at the highest level. Registering your network instrument is the best way to take advantage of the latest offerings from Fluke Networks. From product updates to reference books and training CDs, your registration guarantees you'll be the first to know.

Work smarter with superior support, training and tools.

Priority Support Programs

Fluke Networks offers two Priority Support Programs to protect your network investment. The Silver Priority Support Membership is free to registered owners and includes unlimited access to our trouble ticket web interface for technical product support, software updates/ revisions, and our Quick Reference Guide.

Gold Priority Support

Add value to your Fluke Networks instrument with our optional Gold Priority Support Program. Your membership in this program provides all the benefits of Silver plus a variety of product-specific offerings. You also get:

- ***Next-day dispatch loaner units** to keep your crews on the job.*
- ***First priority to technical support** via phone, fax and web. Special toll-free numbers put you first in line, 24 hours a day, seven days a week. Response within one hour.*
- ***Discounts** on specified Fluke Networks options, accessories and enhancements.*
- ***Scheduled calibration/performance verification service** of your Fluke Networks instrument with traceable calibration certificate.*
- ***Eligibility** for special "Gold Members" promotions.*

Visit www.flukenetworks.com for a complete listing of

Training Courses & Seminars

With advances in cabling technology and qualified installation technicians difficult to find, it's vital that you train and certify your existing employees to stay competitive. Fluke Networks has the training courses, technology seminars and the tools you need to work smarter and grow your business.

Certified Cabling Test Technician (CCTT) Course

To stay competitive, your installers must have top-notch skills. Investing in the Fluke Networks CCTT one-day training and certification program will improve installer skills as well as their effectiveness and productivity on the job in testing, certifying and troubleshooting cabling systems. This BICSI accredited course is comprised classroom training, hands-on labs and exam/ certification exercises. Technicians will:

- ***Gain an understanding** of the standards and technology that drive high-performance cabling systems.*
- ***Learn how to use the DSP-4000/4100 Series Digital CableAnalyzer** to test, analyze and achieve optimal performance of high-performance cabling installations — on time, and within budget!*
- ***Learn how to apply their training** in a wide variety of applications including UTP, optical fiber and coaxial cable systems.*
- ***Receive seven BICSI continuing education credits** upon successful completion of the written and lab exams.*

Network SuperVision™ Cabling Seminars

Learn how Fluke Networks SuperVision Solutions can work for you in a free half-day seminar in a city near you. This seminar is designed to enhance your knowledge of future cabling system certification requirements. See our website for seminar locations and content.

Expert Information

In this fast-paced world of networking, it's nice to have a partner like Fluke Networks to rely on for the latest technology and industry news.

Cabling Design Test Specifications On-Line

Rely on Fluke Networks' New Visions for New Standards *for the latest in standards updates and cabling test requirements. Visit* ***www.fluke-net.com/consultants*** *to download the latest test requirements documents for copper and fiber optic cabling systems including ANSI/TIA/EIA, ISO11801, CENELEC EN50173, Class D and Class E test specifications. You'll also discover a wide range of other useful tools including application notes, FREE software, industry news and special events.*

Reference Books

Network Maintenance and Troubleshooting Guide *is a reference for networking professionals, as well as an education text for novices interested in learning more about network operation. It addresses how to anticipate and prevent problems, methods for troubleshooting and solving problems, and how to create and maintain a "healthy" network.*

Fiber Optic Reference Guide *is a practical guide to the latest in fiber optic technology, covering all the fundamentals of fiber optics, including cables, connectors, network design, installation and testing.*

CableManager™ Software

LAN MapShot™ Software

Fluke Networks' CableManager Software is included with all DSP Series Digital Cable Analyzers and is available as a free download from the Fluke Networks website. This powerful, Windows®-based software helps you organize, edit, print, save or archive your job site test results. Merge test results into an existing database and you have the option to sort, search and organize by any number of data fields or parameters. And it's completely secure and accurate. Give your customers a comprehensive view of their switched Ethernet networks with LAN MapShot™ Automatic Diagramming Software. Quickly and easily draw up-to-date network maps and show your customers how a full view of their network is only one click away.

Get a comprehensive view of all your copper and fiber data links.

Manage installation projects in seconds!

CableManager is a snap to use and navigate. Toolbar icons give you easy access to the most common functions. Quickly view PASS and FAILED links. Easily sort and organize data by operator name, cable ID, headroom, length, or date and time. And recertify your graphical test results against new standards with just one click. So, whether you need to create multiple projects, import data, sort reports or recertify a project, CableManager makes managing your jobs simple and fast.

Flexible reporting

CableManager provides several options to communicate test results to your customers. And it's simple — you can create various types of reports, from basic text to detailed summary reports to full color graphical reports. Add your logo for a professional look, then print the test results on paper or email your report in Adobe Portable Document Format (PDF).

Maintain tester configurations

Maintain your tester's software and test database. CableManager Software talks to your tester and its remote unit to upload new software or to load a new test database. You can also configure the tester with the names of your technicians, the names of the projects or job sites and an automatic cable ID sequence. When you load new software into the tester, you can save and restore any existing configuration.

CableManager™

FREE download from Fluke Networks' website at www.flukenetworks.com.

LAN MapShot™

Automatic diagramming software — for quick network visibility.

Need an easy way to show your customers up-to-date network maps? With Fluke Networks' LAN MapShot, you are only one click away from a full view of your customers' switched Ethernet network. LAN MapShot displays easy-to-understand hierarchical maps, offers quick device discovery, and works with any edition of Microsoft Visio®, 2000 and 2002. Plus it's easy to install and use! For a quick online tour of LAN MapShot or to download a free 7-day trial, visit our website at www.flukenetworks.com.

Model: LMAP-STD

Visit www.flukenetworks.com for a complete listing of

CableManager™ prints professional, graphical reports with your company logo

Graphical wiremap test results

Worst pair data summarized by both worst margin and worst value – as required by TIA and ISO standards

All required test parameters included per standards

Identifies worst pair for each parameter from main and remote test units

Specific network applications certified for link test results

Critical parameters graphed for both main and remote test units

Assurance of Fluke Networks quality

Overall test result is clearly visible

Tester setup audit trail provided by header information

High-Definition TDR trace documents good impedance characteristics

Graphical results give clear visual indication of link quality for all wire pairs

Graphical results always to 350 MHz – regardless of test standard performed

Test standard limits included on each graph

Results graphed per TIA and ISO standards using absolute value dB convention

DSP-4000 Series Digital CableAnalyzer™

The DSP-4000 Series can boost your bottom line by providing fast, accurate testing of high-performance Cat 5e, Cat 6 and fiber optic cabling. These cable analyzers have an exclusive digital platform that ensures repeatable accuracy, no matter how many times you retest a link. With high-bandwidth capability up to 350 MHz, superior diagnostics and extensive reporting capabilities, the DSP-4000 Series provides everything you need to test, certify and document copper and fiber installations.

Achieve unsurpassed performance, speed and accuracy.

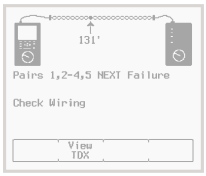
Permanent Link Adapter – a breakthrough in cable testing!

Fluke Networks' new Permanent Link Interface Adapter is nothing short of revolutionary. It's the only copper test adapter that won't give you false failures when testing copper cabling. Just connect the Permanent Link Adapter to the DSP-4000 Series CableAnalyzer and you have the most accurate cable test system out there.

Test all types of fiber!

Armed with your DSP tester and the right Fiber Test Adapter, you have the tools to properly test all types of fiber. These compact adapters add automated dual-fiber, dual-wavelength test and certification to the DSP-4000 and DSP-4100, transforming them into full-featured optical fiber testers.

One-button diagnostics solve problems instantaneously



The DSP-4000 Series helps you quickly identify and locate installation problems, shorts, and anomalies in the cabling link under test. All models feature a patented, bi-directional Time Domain Crosstalk (TDX) Analyzer that quickly locates crosstalk problems. The FAULT-INFO key instantaneously diagnoses and displays cabling faults graphically and suggests corrective action.

Extensive results management capabilities

The new DSP-4100 further enhances data management capabilities with its MultiMedia Card. This card adds memory to the tester, allowing you to print graphical test reports in color. It also dramatically speeds data transfer.

Visit www.flukenetworks.com for a complete listing of

More accurate PASS results with revolutionary field-tough Permanent Link Adapter

Rugged overmold bonded to the case to endure tough field conditions

Automatic noise detection and rejection with Fluke Networks DSP measurement technology

Instantaneous diagnostics with a single key pinpoint problems anywhere on the link and suggest corrective action

Monitor feature with optional Channel/Traffic Adapter enables quick network troubleshooting

Rotary knob makes learning easy and operation simple — you always know what test mode is selected

Exceeds specification requirements for Cat 5e and Cat 6 as well as Level III accuracy

Break-free adapter design survives drops and protects high-performance internal connector

Large protected display with bright white backlight for easy viewing

Memory card for instant data hand-off — keep your DSP tester on the job

Talk feature to communicate with your test partner at the other end of the link — over both copper and fiber

Save full results to 350 MHz regardless of test standard — print professional graphic reports

Setup is fast and easy — no need for complicated PC software configuration

Revolutionary adapter boosts PASS results

Fluke Networks' new Permanent Link Interface Adapter puts an end to false failures. Other adapter cords — even high-quality adapter cables with shielded pairs — will cause false failures in the field as they develop internal wear and tear that you can't see. These false FAILs result in hours of pointless troubleshooting and retesting. The Permanent Link Interface Adapter solves the problem. This field-tough solution boosts the accuracy of the DSP-4000 Series Cable Analyzers to exceptional levels, delivering more passes with maximum accuracy and repeatability.

Permanent Link Interface Adapter

The new Permanent Link Interface Adapter design delivers superior accuracy and stability required for measuring Return Loss, while increasing the accuracy of all other measured test parameters. Moving the baseline accuracy of the DSP-4000 Series Digital CableAnalyzer to the end of the Permanent Link Interface Adapter, it eliminates the effects contributing to FAIL results associated with any twisted-pair tester adapter.

Model: DSP-LIA101S

Includes: *Two interface adapters that plug into the high-performance connector of the DSP-4000 Series CableAnalyzer and one set of Personality Modules to test Cat 6, Cat 5e, Cat 5, and Cat 3 links.*

Permanent Link Personality Module

New Personality Modules at the end of the DSP Permanent Link Interface Adapter ensure that the connection between the adapter and the link-under-test yields optimum NEXT performance, and more PASSes. Each module works with multiple manufacturers' Cat 6 jacks. These modules feature a compact, lightweight design that allows replacement without buying a complete manufacturer-specific adapter. Refer to our website for the latest modules and manufacturers' compatibility matrix.

Model: DSP-PMXX

Includes: *One additional set of Personality Modules (2 matching modules per set), available for specific groups of Cat 6 connector systems.*

Permanent Link Calibration Module

The optional calibration module enables you to significantly boost the actual tester performance. Calibration can push the Return Loss measurement accuracy of the DSP-LIA101S from its exceptional level of 2.5dB to an unprecedented Return Loss accuracy of just 1dB. This simple calibration process is completely automated and supported in the CableManager software. To maintain this performance, you need to calibrate only twice a year. As shown, it also enables you to perform a quick through-check to ensure your adapters are working properly.

Model: DSP-PLCAL

Includes: *An assembly containing three calibration artifacts (open, short and precision 100Ω load) and a through-check connection.*

Visit www.flukenetworks.com for a complete listing of

DSP-4100 Digital CableAnalyzer™

The DSP-4100, the newest member of Fluke Networks' family of digital cable analyzers, offers the superior diagnostics and digital test accuracy of the DSP-4000, with the addition of comprehensive results management capabilities. The DSP-4100 certifies copper and fiber cabling installations to all current industry and application standards, as well as proposed TIA/EIA Cat 6 and ISO/IEC Class E performance standards.

Model: DSP-4100

Includes: *DSP-4100 CableAnalyzer; DSP-4100 Smart Remote; CableManager Software; 16 MB Multimedia Card; PC Card Reader; Soft Carrying Case; Manual; Quick Reference Card; Talk Sets (2); AC Adapter/Chargers (2); Instrument Straps (2); Cat 5e Basic Link Adapters (2); Cat 5e Channel Adapters (2); Coax Patch Cable (BNC); DSP Calibration Module, RS-232 Serial Cable; RJ-45 to BNC Adapter Cable.*

DSP-4000 Digital CableAnalyzer™

The DSP-4000 Digital CableAnalyzer provides fast, accurate testing of high-performance Cat 5e, Cat 6, and fiber optic cabling. One-button diagnostics and fast AutoTest times save time on the job.

Model: DSP-4000

Includes: *DSP-4000 CableAnalyzer; DSP-4000 Smart Remote; CableManager Software; Soft Carrying Case; Manual, Quick Reference Card; Talk Sets (2); AC Adapter/Chargers (2); Instrument Straps (2); Cat 5e Basic Link Adapters (2); Cat 5e Channel Adapters (2); Coax Patch Cable (BNC); DSP Calibration Module; RS-232 Serial Cable; RJ-45 to BNC Adapter Cable.*

DSP-2000 Digital CableAnalyzer™

For high-speed Cat 5 networks such as Fast Ethernet or ATM, the DSP-2000 CableAnalyzer will do the job. UL listed, the DSP-2000 tests a wide variety of LAN cabling systems: UTP, FTP, STP (IBM type 1, 2, 6, 9), and Coax. It tests to 155 MHz and can detect and exclude external noise from its measurements — ensuring accuracy. With the accompanying, free CableManager Software, you can quickly upload all cable test results directly to your PC.

Model: DSP-2000

Includes: *DSP-2000 CableAnalyzer; DSP-2000 Smart Remote; CableManager Software; PC Serial Interface Cable; AC Adapter/Chargers (2); Hard Carrying Case; Coax Patch Cable (BNC); 2m UTP Cat 5 Shielded Patch Cables (2); 10-inch Calibration Cable; RJ-45 to BNC Adapter.*

Channel/Traffic Adapter

Add the Channel/Traffic Adapter to the DSP-4000 Series to monitor network traffic on 10BASE-T and 100BASE-TX Ethernet systems and impulse noise on twisted pair cable. This adapter also helps you identify hub port connections and determines which standards are supported by those connections.

Model: DSP-LIA013

Includes: *One interface adapter that plugs into the high-performance connector of the DSP-4000 Series CableAnalyzer.*

Copper Cabling Kits and Identifiers

Cable Kit

Model: N6580

Includes: *Two 2m patch cables (100W ScTP Cat 5 shielded, EIA-568, RJ-45 to RJ-45), one 10-inch calibration cable (100W UTP Cat 5, EIA-568, RJ-45 to RJ-45), one 3-foot coax patch cable (50W BNC (m)-to-BNC (m)), two 8-pin modular socket to 8-pin modular socket adapter, one 2-foot UTP patch cable (RJ-45 to alligator clips).*

Type 1 STP Cabling Kit

Model: N6581

Includes: *One Type 1 patch cord (IBM Data Connector to 8-pin modular plug), one Type 1 patch cord (8-pin modular plug to DB-9 (F)).*

UTP Accessory Kit

Model: N6703

Includes: *66 punch-down to RJ-45 adapter, 110 punch-down to RJ-45 adapter, RJ-45 female couples, RJ-45 to clip lead cable, RJ-45 to RJ-45 patch cable 2m.*

Add the power of dual-fiber testing.

DSP-4000 Series Fiber Test Adapters

Armed with your DSP-4000 or DSP-4100 and our family of Fiber Test Adapters, you have the tools to properly test every fiber application: singlemode, multimode, and Gigabit Ethernet multimode. These compact adapters add automated dual-fiber, dual-wavelength test and certification capability to the DSP-4000/4100, quickly transforming it into a full-featured optical fiber tester. And like all Fluke Networks testers, they're built rugged to withstand the drops and other mishaps that occur in today's network installation environments.

Dual-fiber SFF testing simplified

Fluke Networks has teamed up with manufacturers of Small Form Factor (SFF) fiber optic connectors to provide SFF Accessory Kits. These kits allow you to quickly and easily perform highly automated, dual-fiber testing, certification, and documentation of fiber links containing SFF connectors (MT-RJ, VF-45, FiberJack and LC).

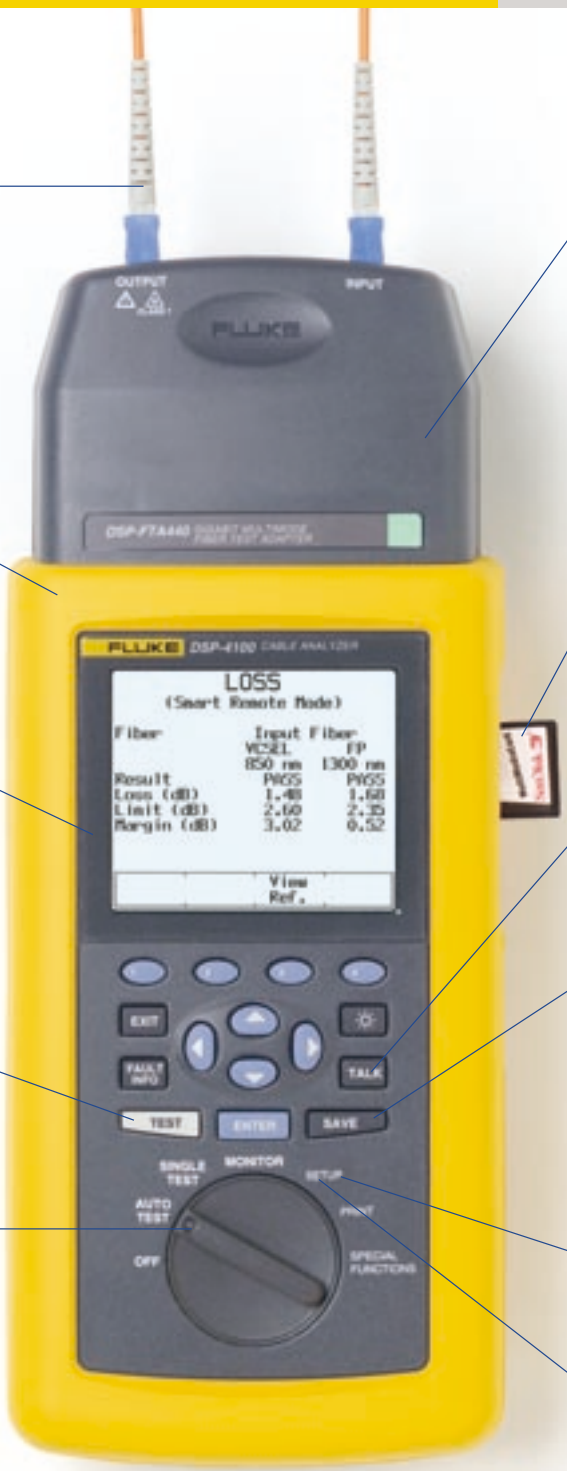
Fiber certification that pays for itself

Certification of fiber optic links requires detailed knowledge of installation and application standards, as well as the right tools, connectors and documentation capability. Fluke Networks' family of Fiber Test Adapters turns a complex operation into a simple task. Simply choose the proper adapter and the right light source — 850 and 1300 nm LEDs, 1310 and 1550 nm lasers or 850 nm VCSEL and 1310 FP lasers. Then automatically test to the desired standard at two wavelengths at the same time. You'll save time and money!

Strengthen your services with fiber reporting

Fiber certification is a critical part of your business. Whether you're documenting Pass/Fail links, adhering to current standards or meeting customer specifications, having a thorough, easy to use reporting software in hand is the key to your success. Using Fluke Networks' DSP Fiber Test Solutions with CableManager™ Software, you can record and save your fiber results along with any tested copper links. Impress your customers with seamlessly delivered professional reports.

Visit www.flukenetworks.com for a complete listing of



Two optical sources and a photo detector in each adapter allow automatic, dual-wavelength testing of two fibers at a time

Protective overmolding ensures reliable performance

Intuitive user interface allows new operators to begin testing in minutes

One-button testing maximizes operator efficiency

Rotary knob makes learning easy and operation simple — you always know what test mode is selected

FindFiber provides a quick check for users at both ends to locate a signal from the other end

Three optional adapters let you use the right light source for the job — singlemode, multimode and Gigabit multimode

Memory card for instant data hand-off — keep your DSP tester on the job

Talk feature to communicate with your test partner at the other end of the link — over fiber or copper

Save test results in CableManager™ for comprehensive test data management and report generation

Setup is fast and easy — no need for complicated PC software configuration

Test to cabling standards such as TIA/EIA or ISO/IEC or application standards such as 1000BASE-SX by selecting the appropriate standard

Lasers yield highest accuracy for testing laser-based networks

Ensuring fiber certification accuracy when testing multimode Gigabit Ethernet and singlemode fiber requires a tester that uses the same light source as the network transmission hardware.

For example, testing a multimode Gigabit Ethernet link with a VCSEL light source guarantees the most accurate measurement possible — while an LED on the same link may result in a false failure. A false failure could mean spending valuable time looking for a problem that does not exist.

When testing a singlemode link it is important to measure both 1310 nm and 1550 nm wavelengths. While an LED source will measure loss at 1300 nm — only lasers will allow you to measure both wavelengths as required by the TIA/EIA-568-B standard.

To find out more, download our application note on testing laser-based fiber optic networks, at ***www.flukenetworks.com/fta*****.**

DSP-FTA440S Gigabit Multimode Fiber Test Adapter

The DSP-FTA440S Fiber Test Adapter is the world's first dual-fiber, VCSEL-based tester for testing multimode fiber running Gigabit Ethernet. The FTA440S uses a VCSEL source at 850 nm and a FP laser light source at 1310 nm. It accurately measures loss and length (up to 5000 meters) to ensure compliance with Gigabit Ethernet standards.

Model: DSP-FTA440S

Includes: *Fiber Test Adapters (2); SC/ST Patch Cords 50 µm Multimode (4); ST/ST Patch Cords 50 µm Multimode (2); ST/ST Adapters (2) and Users Manual.*

DSP-FTA430S Singlemode Fiber Test Adapter

Designed for singlemode fiber installations, the DSP-FTA430 Fiber Test Adapter provides automatic, dual-fiber loss testing and certification at both 1310 and 1550 nm wavelengths. It measures length up to 10,000 meters to ensure compliance to application standards. Because the FTA430S uses the same laser light sources as the network transmission hardware, it provides accurate, uncompromised test results.

Model: DSP-FTA430S

Includes: *Fiber Test Adapters (2); SC/ST Patch Cords Singlemode (4); ST/ST Patch Cords Singlemode (2); ST/ST Adapters (2) and Users Manual.*

DSP-FTA420S Multimode Fiber Test Adapter

The DSP-FTA420S easily and accurately measures loss and length on multimode fiber using LED light sources. Its enhanced dynamic range enables it to test both 850 nm and 1300 nm multimode wavelengths to 5000 meters.

Model: DSP-FTA420S

Includes: *Fiber Test Adapters (2); SC/ST Patch Cords 62.5 µm Multimode (4); ST/ST Patch Cords 62.5 µm Multimode (2); ST/ST Adapters (2) and Users Manual.*

Small Form Factor (SFF) Accessory Kits

MT-RJ Accessory Kit, 62.5µm, Multimode
Model: NFK1-MTRJ
MT-RJ Accessory Kit, 50µm, Multimode
Model: NFK2-MTRJ
Includes: *Patch Cord – MT-RJ (Pinned) to single SC plugs; Patch Cord – MT-RJ (No Pins) to single SC plugs; Test Jumper – MT-RJ (no pins) to MT-RJ (no pins); Adapter – MT-RJ to MT-RJ.*

NFK1-MTRJ

VF-45 Accessory Kit, 62.5µm, Multimode
Model: NFK1-VF45
VF-45 Accessory Kit, 50µm, Multimode
Model: NFK2-VF45
Includes: *Patch Cord – VF-45 socket to single SC plugs; Patch Cord – VF-45 plug to single SC plugs; Test Jumper – VF-45 plug to VF-45 plug.*

NFK1-VF45

LC Accessory Kit, 62.5µm, Multimode
Model: NFK1-LC
Includes: *Patch Cords (2) – Dual LC to single SC plugs; Test Jumper – FJ plug to FJ plug; Adapter – Dual LC to Dual LC.*

NFK1-LC

Fiber Jack Accessory Kit, 62.5µm, Multimode
Model: NFK1-FJ
Includes: *Patch Cords (2) – FJ plug to single SC plugs; Test Jumper – FJ plug to FJ plug; Adapter – Fiber Jack to Fiber Jack.*

NFK2-FJ

NF430 Fiber Optic Cleaning Kit

Dirt, dust and other contaminants are the enemy of high-speed data transmission over optical fiber. With Fluke Networks' NF430 Fiber Optic Cleaning Kit, you can ensure that all optical connections are clean and free of contaminants.

Model: NF430
Includes: *Alcohol-soaked cleaning pads; 2.5 mm foam-tipped cleaning sticks; Large foam-tipped cleaning swabs; Lint-free cotton wipes; Small bottle for isopropyl alcohol (shipped empty).*

Fiber Optic Patch Cables, Converter Cables & Adapters

Model: FOA-ST/ST	*ST to ST Multimode Adapter*
Model: FOC-ST/ST	*ST to ST Multimode Patch Cable*
Model: FOC-ST/FC	*ST to FC Multimode Converter Cable*
Model: FOC-ST/SC	*ST to SC Multimode Converter Cable*
Model: FOC-ST/SMA	*ST to SMA Multimode Converter Cable*
Model: NF100SM	*ST to ST Singlemode Patch Cable*
Model: NF110SM	*ST to SC Singlemode Converter Cable*
Model: NF120SM	*ST to FC Singlemode Converter Cable*
Model: NF300SM	*ST to ST Singlemode Adapter*
Model: NF3100SM	*SC to SC Singlemode Adapter*

Fiber Optic Reference Guide

This practical guide to the latest in fiber optic technology covers all the fundamentals of fiber optics, including cables, connectors, network design, installation, and testing.

Model: NF430

Test, inspect and document fiber links.

Fiber Test Installer Pro Package

Fluke Networks' FTK200FV Pro Package gives you everything you need to effectively test and inspect multimode fiber optic links — in one compact kit. The Pro Package tests multimode fiber at 850 nm and 1300 nm wavelengths, and tests singlemode at 1310 nm and 1550 nm with optional Laser Source. It automatically stores up to 500 records of test data, so it's ideal for contractors whose fiber installation needs include automated test data recording, results management and report generation.

The complete fiber test kit

If your fiber testing requirements have grown to include documentation and report generation needs, the Pro Package is your best bet. It includes the FTK200 Optical Fiber Test Kit, the Fluke Networks FT120 Fiber Viewer, and the *Fiber Optic Reference Guide*. The FTK200FV automatically stores up to 500 records of test data. Plus, you get Fluke Networks CableManager™ Software for uploading test results to a PC. The FTK200FV also has productivity-enhancing features, such as a single port for both output wavelengths, which eliminates the need to disconnect fibers when testing two wavelengths.

Ensure clean fiber connections with Fiber Viewer

To ensure your termination is smooth and clean and ready for optical transmission, the Pro Package includes the Fluke Networks FT120 multimode Fiber Viewer for inspecting fiber end-faces. (For singlemode installations, Fluke Networks offers the FT140 Fiber Viewer with 400x magnification, sold separately.) Fluke Networks inspection scopes contain a special safety filter that protects your eyes by screening harmful infrared light.

Upgrade the Pro Package with Fluke Networks Laser Source

This laser power source functions as a companion source to the Pro Package by generating both 1310 and 1550 nm wavelengths to measure loss on singlemode fiber. It features a lightweight, heavy-duty design to endure rugged field use.

Fiber Test Installer Pro Package and Accessories

Fiber Test Installer Pro Package
Model: FTK200FV
Includes: *FM150 Fiber Meter; FS150 Fiber Source; FT120 Fiber Viewer; CableManager™ Software; Fiber Optic Reference Guide; Hard-shell carrying case.*

Laser Power Source
Model: LS-1310/1550
Includes: *Dual 1310/1550 laser light source; patch cables and adapters.*

Multimode Fiber Viewer, 200x
Model: FT120
Includes: *Fiber Viewer and Nylon carrying case.*

Singlemode Fiber Viewer, 400x
Model: FT140
Includes: *Fiber Viewer and Nylon carrying case.*

Visit www.flukenetworks.com for a complete listing of

The handy *Fiber Optic Reference Guide* is packed with in-depth info

Compact, hard-shell carrying case protects your equipment when not in use, so it's ready to go when you are

FM150 Fiber Meter – tests fiber at 850 nm, 1300 nm, 1310 nm and 1550 nm wavelengths

Check battery level instantly with digital readout

CableManager™ software for test results management and report generation

FT120 Fiber Viewer inspects fiber end-faces

Multimode patch cords and jumper cables for checking ST links

Built rugged to withstand the drops and other mishaps that occur in today's installation environments

Cutout for optional Laser Source

FS150 Fiber Source LED, source 850 nm and 1300 nm wavelengths from a single port

FREE ToolPak™ Hanging Kit with product registration

Easily inspect *any* fiber termination. No disassembly required!

FiberInspector™ Video Microscope

Did you know that 85 percent of all fiber failures are due to contaminated fiber end-faces? The problem is, those end-faces are often difficult to inspect because they're located on the back of patch panels or inside hardware devices. The FT300 FiberInspector Video Microscope gives you SuperVision by enabling you to inspect all types of installed fiber terminations in patch panels and hardware devices. Simply insert your video probe through the bulkhead adapter and high magnification optics pop up on your screen. You can quickly determine whether fiber connectors are clean and in good condition, without disassembling the device.

Inspects fiber 10 times faster than traditional scopes

With the FiberInspector Video Microscope, you'll save valuable time inspecting fiber in patch panels or hardware devices. Instead of removing each individual fiber, you need only insert the video probe to inspect the fiber while it's still in place. This is the only practical way to inspect many hardware devices, where disassembly is not a realistic option. Plus, FiberInspector never touches the termination, so the risk of contamination is reduced.

Eliminates the hazards of inspecting live fiber

FiberInspector includes a handheld LCD display unit and a small, lightweight probe, which contains a long-life LED light source and CCD video camera. The probe adapter tip mates with the connector and projects crisp, clear images of microscopic debris and end-face damage on the LCD display. The video display allows you to look at a fiber end-face without looking into the fiber, thereby eliminating all chance of any harmful laser light reaching your eye.

FiberInspector™ Video Microscope & Accessories

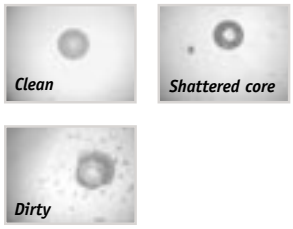
FiberInspector Video Microscope
Model: FT300
Includes: *FT350 Fiber Probe, 250x; FT330 Fiber Display; AC adapter/battery charger; Probe Adapter Tips (ST, SC, FC, and universal 2.5 mm patch cord tip); and Hard Carrying Case.*

MT-RJ Video Probe Adapter Tip
Model: NF360

LC Video Probe Adapter Tip
Model: NF362

Visit www.flukenetworks.com for a complete listing of

High-magnification optics provide crisp, clear images of microscopic debris and end-face damage



Compatible with standard ST, SC, and FC connectors and other connector types including SFF connectors with optional adapter tips

Small, lightweight probe holds itself in place for hands-free operation

Optional Fiber Optic Cleaning Kit (page 14) ensures that all optical connections are clean and free of contaminants

High-contrast handheld display safely presents instant, sharp images with its 2.5 in. (6.35 cm) Active Matrix LCD

Inspects 10 times faster than traditional scopes

Includes FREE ToolPak™ Hanging Kit and Fiber Optic Reference Guide with product registration

Protective overmolding ensures reliable performance

620 LAN CableMeter®

Fiber Test Installer Basic Package

Would you like to expand your business into residential or Small Office/Home Office (SOHO) applications, but are not sure how to begin? Fluke Networks has the copper and fiber test solutions to get you started. Our 620 LAN CableMeter provides the basics for verifying connectivity in copper voice and data links, while our Basic Fiber Test Installer Package gives you everything you need to test and inspect multimode fiber. It's so easy that soon you'll be ready to move up to Fluke Networks' award-winning DSP Series Cable Analyzers (see p.8) for the ultimate in copper and fiber testing. Why wait? Partner with Fluke Networks and begin growing your business today.

Verify connectivity of data, voice, and video cabling.

620 LAN CableMeter®

With Fluke Networks' 620 CableMeter, you can quickly verify that end-to-end connectivity is defect-free. The 620 is quick and intuitive to use and supports all category twisted-pair cabling links (UTP, STP, and FTP or ScTP) as well as Coaxial cabling links. You can test the link from one end without the need for a remote terminator or another installation expert at the other end of the cable. From one end, the 620 can detect: (1) an open circuit or break in the cable and the distance to this open; (2) a short, and the distance to the short circuit; (3) a split pair condition (showing the actual wire pairing detected). Attach Fluke Networks' optional "cable identifier" to a completed twisted-pair cabling link and the 620 will verify the cable routing by showing the number of the identifier that is attached to the other end of the link. In addition, testing with the identifier detects two additional miswire possibilities: (1) a polarity reversal (tip-ring reversal) in a pair, and (2) transposed or crossed-over wire pairs.

Model: 620

Includes: *One Cable Identifier (#1), soft carrying case, user manual, quick reference card, warranty registration card, one patch cord (RJ45-to-RJ45 EIA/TIA 4 pair Cat 5), and one RJ45-to-RJ45 female coupler.*

Options: *Cable Identifier Kit (#2-#4) and Cable Identifier Kit (#5-#8).*

Fiber Test Installer Basic Package

Fluke Networks' FTK100FV Fiber Test Installer Basic Package gives you everything you need to effectively test and inspect multimode fiber optic links — in one compact kit. The Basic Package tests multimode fiber at 850 nm and 1300 nm wavelengths. It's ideal for contractors who only have a few fiber links and don't need automated recording of test results. The FTK100FV also works with an optional Fluke Networks' Laser Source for measuring loss on single-mode fiber at 1310 nm and 1550 nm.

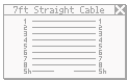
Model: FTK100FV

Includes: *FM130 Fiber Meter; FOS-850/1300 LED Source; FT120 Fiber Viewer; Fiber Optic Reference Guide; Hard-shell carrying case.*

Visit www.flukenetworks.com for a complete listing of

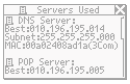
Quickly resolve connectivity problems.

Basic cable tester tests length, opens, shorts, wiremap, split pairs and cross-over

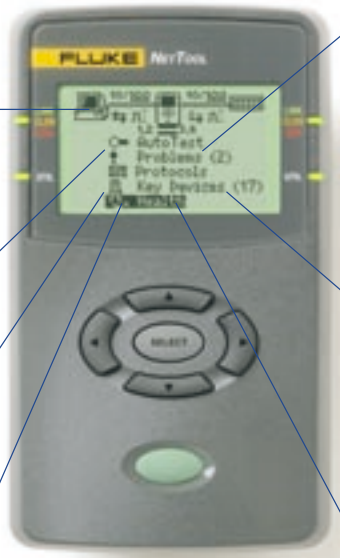


Identifies a wall jack as Ethernet, Token Ring, phone or inactive

PC configuration tester identifies network resources that a PC is configured to use



NIC card tester identifies speed, level, polarity, receive pair and duplex



Problem identification – recognizes more than 50 different problems and flags them for you

Network device ID for Servers, Routers and Printers

Monitors network health (frames sent, utilization, broadcasts, errors, collisions) for full-duplex connections

NetTool™ Network Connectivity Tester

NetTool Standard *– provides single-ended testing of cable and desktop-to-network connectivity*
Model: NT

NetTool Inline *– allows users to eavesdrop on the complex PC-to-hub link pulse negotiation process to help resolve link connectivity issues*
Model: NT-IL

FREE personalized holster with registration

Includes: *NetTool tester; serial cable; four AA batteries; wiremap adapter; quick reference guide; CD-ROM containing user manual and NetTool Blaster update utility software.*

NetTool™ Network Connectivity Tester

Are your customers having network connectivity problems, and blaming your cabling? NetTool can help you quickly determine whether your customers' desktop-to-network connectivity problems are caused by a bad RJ crimp, wrong email server, duplex mismatch or even a bad NIC card. This handy connectivity tester puts an end to the guessing by combining cable, network, and PC configuration testing in one palm-size tool. Just plug it in and it quickly identifies even the toughest connectivity problem. If you'd like to add network troubleshooting to your services offering, look no farther than NetTool from Fluke Networks.

Maintain and trouble-shoot your customers' switched networks.

OneTouch™ Series II Network Assistant

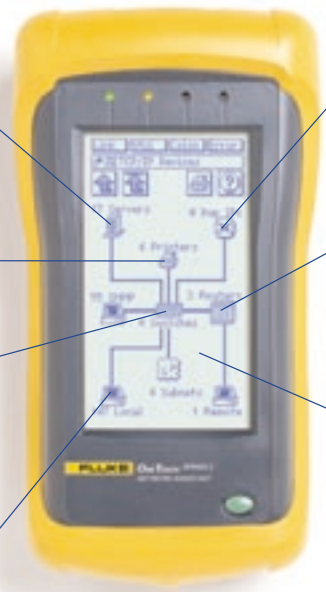
Would you like to be able to offer your customers network maintenance services instead of just walking away once their cable is installed? The OneTouch Series II Network Assistant can help you install and maintain large switched networks. With this powerful instrument, you can see beyond switches to quickly locate and resolve your customers' network problems. Who are the top talkers causing congestion? Why can't a user access a server? Who is generating excessive errors? How many ports are up and running on the switch? OneTouch provides the network visibility you need to quickly answer these questions and give your customers peace of mind.

Discovers IP servers, including DNS, WINS, POP3, SMTP and DHCP servers

Provides information on printers, identifying which IP printers are running on the network

Provides information on switches, including manufacturer, number of ports, what interfaces are available and which ones are running

Provides information on both local and remote stations, including IP, IPX, MAC addresses and NetBIOS names



Pinpoints duplicate IP addresses on your network with a single touch.

Provides router information including IP and MAC addresses, and advertised routing protocols

The OneTouch backlit touchscreen allows the user to see a simple list of choices at each step in the troubleshooting process

DSP-FTK Fiber Test Kit

The DSP-FTK converts the OneTouch into a high-performance optical power meter for detecting bad connections and splices, broken fibers, and loss of light energy due to bad cable bends or fiber type mismatches.

Model: DSP-FTK

Includes: *DSP-FOM Optical Power Meter; FOS-850/1300 combination 850 nm and 1300 nm source; FOC-ST/ST (2) fiber optic patch cables (ST-ST, multimode); ST-ST adapter; instrument instruction sheet; instrument case.*

OneTouch™ Series II Network Assistant

OneTouch Series II 10/100 *– features cable testing, network health, TCP/IP discovery, switch discovery, remote web monitoring, trace route*
Model: 1TS2100

OneTouch Series II 10/100 Pro *– same features as model above plus remote web control, device-to-switch port mapping, ConfigMaster™, key device ping*
Model: 1TS2PRO

Includes: *OneTouch Series II; rechargeable NiMH battery pack (installed); holster; instrument case; AC adapter/battery charger; remote wire map unit (#1); and CD containing the user manual and utility software.*

Visit www.flukenetworks.com for a complete listing of

The ultimate in network monitoring and analysis.

Integrated packet capture and decode, troubleshooting, monitoring and physical layer testing in one simple-to-use unprecedented device

Easy to use interface – lets you concentrate on solving problems rather than figuring out how to work it

Lets you monitor remote sites in real time so you can work in two places at once

Seven layer analysis with capture and decoding

Large, touch-sensitive interactive color screen. Touch it and instantly drill down into your network for any information you want to see

OptiView Reporter software application produces network documentation such as IP and NetBIOS inventories

OptiView™ Integrated Network Analyzer

OptiView Standard *– 10/100 Mbps*
Model: OPV-STD

OptiView Pro *– OptiView Standard plus packet capture/decode and fiber interface*
Model: OPV-PRO

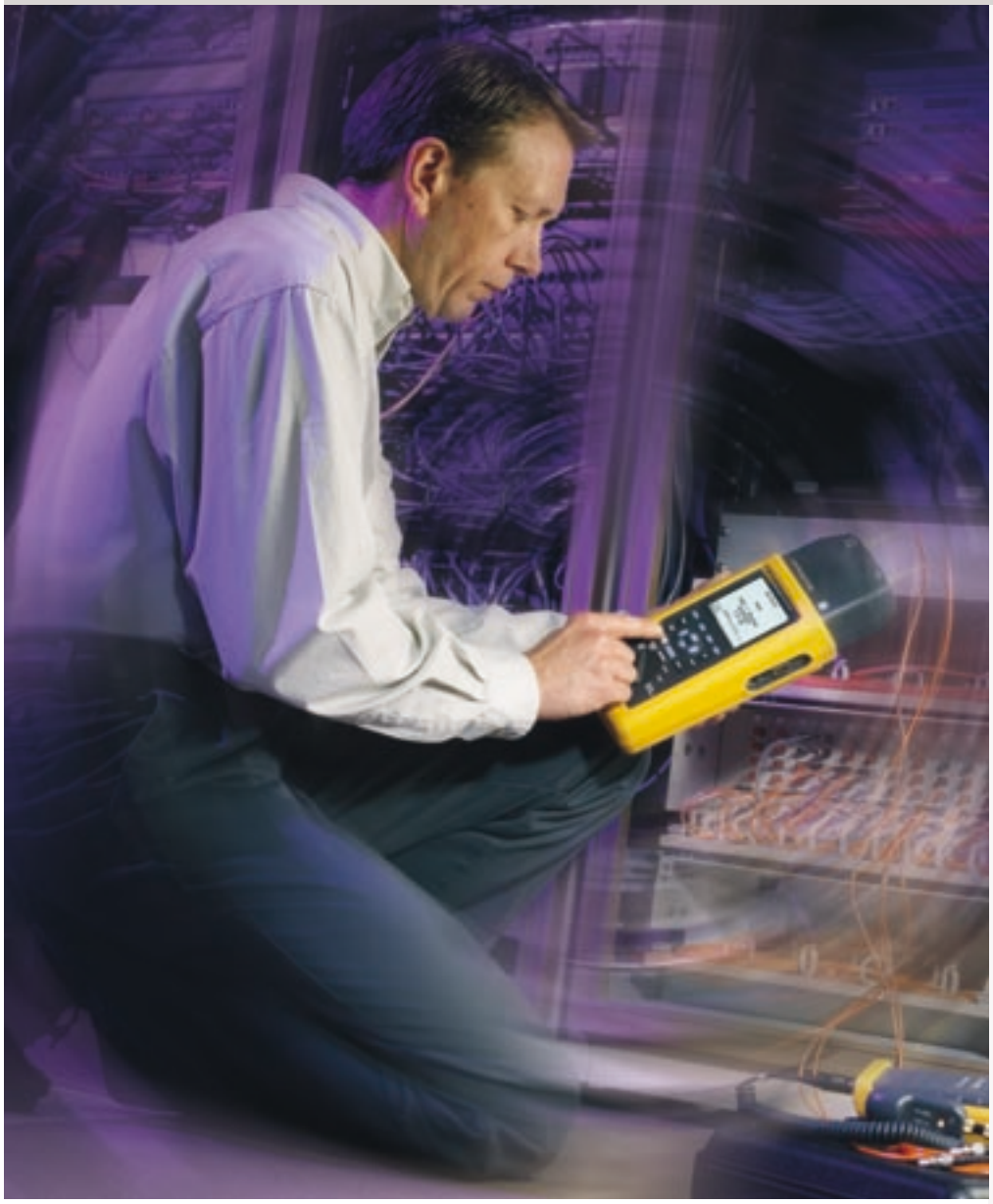
OptiView Pro Gigabit *– OptiView Pro plus Gigabit fiber interface*
Model: OPV-GIG

Includes: *OptiView Mainframe; wiremap adapter; carrying case and shoulder strap; external battery pack; AC adapter and line cord; getting started guide and Quick Reference Card.*

OptiView™ Integrated Network Analyzer

Have you ever thought about functioning as your customers' outsourced IT department? With Fluke Networks' OptiView Integrated Network Analyzer, it's a real possibility. This top-of-the-line tester combines a high-performance protocol analyzer, a fast cable tester, and an RMON2 probe in one power-packed, handheld tool. You get complete network vision in seconds so you can quickly isolate problems. And Fluke Networks provides the training you need to put OptiView to work for you.

FLUKE networks™



Fluke Networks keeps an eye on the future so you don't have to

Fluke Networks' award-winning hardware and software products provide the tools you need to install, monitor and maintain local and wide area networks and the underlying fiber and copper cable infrastructure — today and tomorrow. Our Network SuperVision Solutions™ combine speed, accuracy and ease of use to ensure maximum network performance and fast problem resolution. From products that stay ahead of your technology needs, to responsive service to keep you up and running, to training to help you grow your people and your business, Fluke Networks has everything you need to keep pace in today's fast moving, networked world.

NETWORKSUPERVISION

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